

FIG. 2

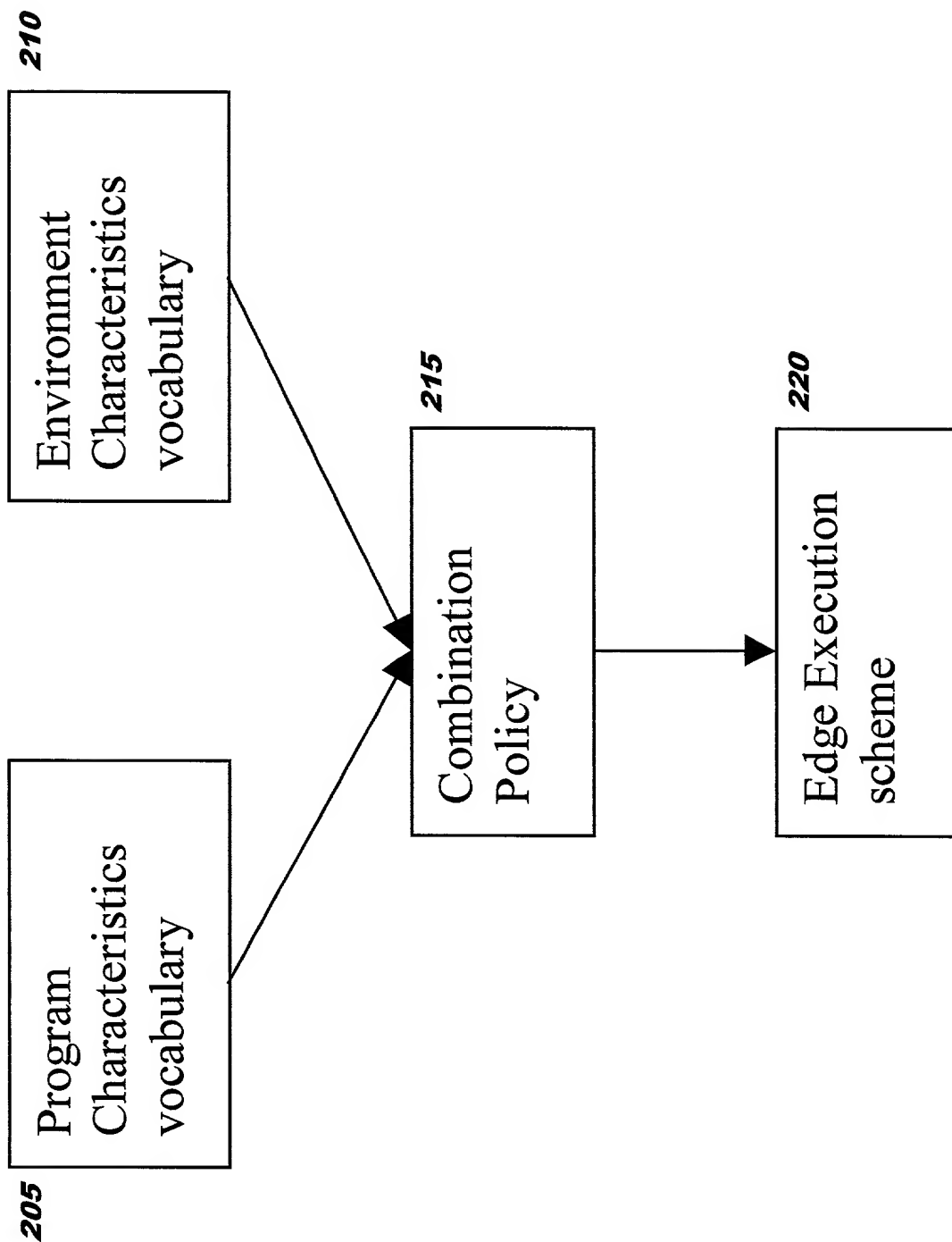


FIG. 3A

301	Frequent database modifications using JDBC	302	0
303	Frequent directory modifications using JNDI	304	0
305	Read only access to database with JDBC		0
307	Read only access to directory with JNDI		1
309	No data access		0
311	Local write only		0
313	EJB use		0
315	Code distribution restricted due to trade secret algorithm		0
317	Accesses sensitive data (e.g. private keys) so needs secure environment		0
319	Code distribution restricted due to legal restrictions		0

FIG. 3B

$$V_P = (0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0)$$

FIG. 4A

401	EJB support at edge	0	402
403	Average relative link speed between edges and backend	0.8	404
405	Edge Server meets security requirements	0.2	
407	Edges licensed for all legally restricted code	0	

$$V_E = \begin{pmatrix} 0 \\ .8 \\ .2 \\ 0 \end{pmatrix}$$

FIG. 4B

FIG. 5

501

$M_{PE} =$

504

503	502			505		
	E	J	B	d.	S	Li
JDBC	0	1	0	0	0	0
JNDI	0	1	0	0	0	0
JDBC R/O	0	9	0	0	0	0
JNDI R/O	0	1	0	0	0	0
No Data	0	1	0	0	0	0
Local Write	0	1	0	0	0	0
EJB usage	1	5	8	0	0	0
Trade Secret	0	0	1	0	0	0
Security	0	0	1	0	0	0
Legal	0	0	2	1	0	1

506

FIG. 6

$$\text{Edgification weight} = V_P \cdot M_{PE} \cdot V_E =$$

$$\begin{pmatrix} 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$

FIG. 7B



matrix for EdgeServer as surrogate
Edgification weight: 0.8